

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Currently Amended) A recording medium, comprising:

~~indicating information indicating whether or not the recording medium contains~~ first area
for storing control information required basically for recording or reproducing user data; and

second area for storing copy protection information for use in generating or processing copy protected user data, wherein the indicating information and/or the copy protection information are being formed as a wobbled pattern and being repeated in a specific data unit, copied to a specific area

wherein the control information in the first area and the copy protection information in the second area are recorded separately.

28. (Currently Amended) The recording medium according to claim 27, wherein the copy protection information is key information for use in encrypting/decrypting the user data.

29. (Cancelled)

30. (Currently Amended) The recording medium according to claim [29] 27, wherein ~~at least the copy protection information and the physical format information are copied to the specific area~~ the first area further includes indicating information for indicating whether the recording medium contains the copy protection information, the indication information being formed as a wobbled pattern.

31. (Currently Amended) The recording medium according to claim [30] 27, wherein the specific ~~area~~ data unit is ~~an area~~ within a lead-in area of the recording medium.

32. (Currently Amended) The recording medium according to claim [27] 30, wherein the indicating information and/or the copy protection information are recorded by a phase modulated method.

33. (Currently Amended) The recording medium according to claim 27, wherein the copy protection information is stored alternatively in another area ~~repeatedly recorded within a data unit.~~

34. (Currently Amended) The recording medium according to claim [33] 27, wherein ~~the data unit includes a plurality of address units, each of which includes a plurality of data frames;~~

~~wherein~~ the copy protection information is recorded in ~~each~~ at least first data frame within one or more address units.

35. (Currently Amended) A method of recording data on a recording medium, comprising:

recording control information required basically for recording or reproducing user data in a first area; and

~~utilizing indicating information indicating whether or not the recording medium contains~~
recording copy protection information for use in generating or processing copy protected user data in a second area, wherein the indicating information and/or the copy protection information are being formed as a wobbled pattern and being repeated in a specific data unit,

wherein the control information in the first area and the copy protection information in the second area are recorded separately copied to a specific area; and

~~recording the data based on the copy protection information.~~

36. (Currently Amended) The method according to claim 35, ~~wherein at least the copy protection information and physical format information are copied to the specific area and the physical format information is used for recording or reproducing data~~ further comprising:

recording indicating information for indicating whether the recording medium contains the copy protection information in the first area, the indication information being formed as a wobbled pattern.

37. (Currently Amended) The method according to claim [36] 35, wherein the specific ~~area~~ data unit is ~~an area~~ within a lead-in area of the recording medium.

38. (Currently Amended) The method according to claim [35] 36, wherein the indicating information and/or the copy protection information are recorded by a phase modulated method.

39. (Currently Amended) The method according to claim 35, wherein the copy protection information is stored alternatively in another area ~~repeatedly recorded within a data unit.~~

40. (Currently Amended) The method according to claim [39] 35, wherein ~~the data unit includes a plurality of address units, each of which includes a plurality of data frames, wherein the copy~~

protection information is recorded in ~~each~~ at least first data frame within one or more address units.

41. (Cancelled)

42. (Cancelled)

43. (Cancelled)

44. (Cancelled)

45. (Cancelled)

46. (Cancelled)

47. (Cancelled)

48. (Cancelled)

49. (Cancelled)

50. (Cancelled)

51. (Cancelled)

52. (Cancelled)

53. (Cancelled)

Please add the following new claims:

54. (New) The recording medium according to claim 27, further comprising:

third area provided between the first area and the second area, the third area being used for transition between the first area and the second area.

55. (New) The method according to claim 35, further comprising:

assigning third area between the first area and the second area, the third area being used for transition between the first area and the second area.

56. (New) A method of reproducing data from a recording medium, comprising:

reading control information required basically for reproducing user data from a first area;
detecting copy protection information for use in processing copy protected user data from a second area, the copy protection information being formed as a wobbled pattern and being repeated in a specific data unit, wherein the control information in the first area and the copy protection information in the second area are recorded separately; and
processing the copy protected user data based on the control information and the copy protection information.

57. (New) The method according to claim 56, wherein the specific data unit is within a lead-in area of the recording medium.

58. (New) The method according to claim 56, further comprising:

detecting indicating information for indicating whether the recording medium contains the copy protection information from the first area, the indication information being formed as a wobbled pattern, wherein the copy protected information is detected according to the indicating information.

59. (New) The method according to claim 58, wherein the detecting step detects the copy protection information and the indicating information by a push-pull method.

60. (New) The method according to claim 56, wherein a third area is assigned between the first area and the second area, the third area being used for transition between the first area and the second area.

61. (New) The method according to claim 56, wherein the copy protection information is recorded in at least first data frame within one or more address units.

62. (New) An apparatus for reproducing data from a recording medium, comprising:

a detection unit configured to detect control information required basically for reproducing user data from a first area and copy protection information for use in processing copy protected user data from a second area, wherein the detection unit is configured to detect the copy protection information formed repeatedly and as a wobbled pattern from a specific data unit and the control information in the first area and the copy protection information in the second area are recorded separately; and

a data processor configured to process the copy protected user data read based on the control information and the copy protection information.

63. (New) The apparatus according to claim 62, wherein the detection unit is configured to read the specific data unit within a lead-in area of the recording medium to detect the copy protection information.

64. (New) The apparatus according to claim 62, wherein the detection unit is configured to detect indicating information for indicating whether the recording medium contains the copy protection information from the first area, the indication information being formed as a wobbled pattern.

65. (New) The apparatus according to claim 64, wherein the detection unit is configured to detect the copy protection information and the indication information by a push-pull method.

66. (New) The apparatus according to claim 62, wherein the detection unit is configured to detect the copy protection information from at least first data frame within one or more address units.